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\$/137/62/000/010/015/028 A052/A101

AUTHORS:

Rybakov, Ye. I., Fomicheva, N. A.

TITLE:

Application of titanium and its alloys as corrosion-resisting

materials in titanium dioxide production

PERTODICAL:

Referativnyy zhurnal, Metallurgiya, no. 10, 1952, 87, abstract 101573 ("Lakokrasocha, materialy i ich primeneniye", no. 2, 1952,

60 - 52)

TEXT: Tests of Ti and its alloys were carried out in media specific for ${\rm TiO}_2$ production, where the concentration of ${\rm H}_2{\rm SO}_4$ varies from 20 to 94% and the temperature ranges from 10 to $220^{\rm O}{\rm C}$. To stable alloys belongs Ti and its alloys with 3% Al + 2% V and with 4% Al + 2% V. No traces of corrosion were detected on microsections of these alloys either on the grain boundaries or on the surface of the samples. The increase of the weight during the test results obviously from the formation of an oxide film, which has a good adhesion with the base metal and is insoluble in ${\rm H}_2{\rm SO}_4$, ${\rm HNO}_3$ and ${\rm HCl}$. Welded seams on Ti do not corrode. It is shown that ${\rm O}_{\rm C}$ decreases slightly after corrosion tests but the

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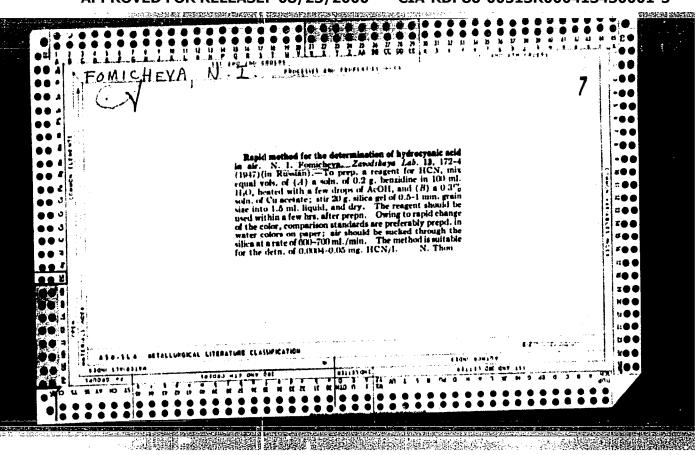
Application of titanium and its...

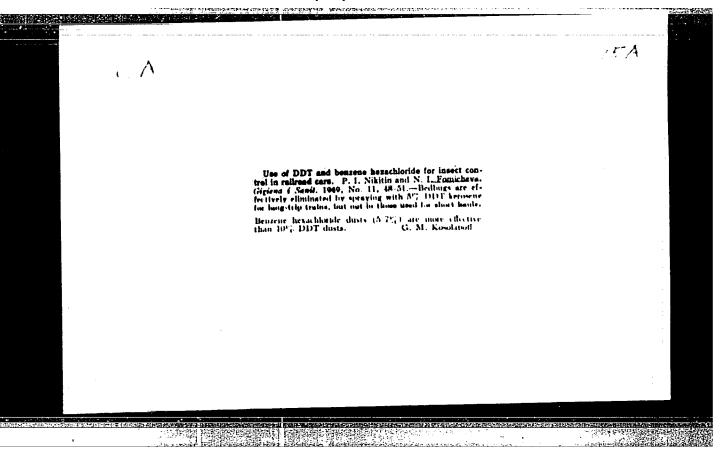
rupture takes place not along the welded seam. Microstructure investigations have shown that corrosion of unstable alloys has a "pitting" character and penetrates sometimes into a sample up to 20 mm deep. The corrosion of side surfaces has a "fibrous" character. As a characteristic feature it should be pointed out that during the first 10 - 40 hours the corrosion takes a slow course, and thereafter its rate increases sharply.

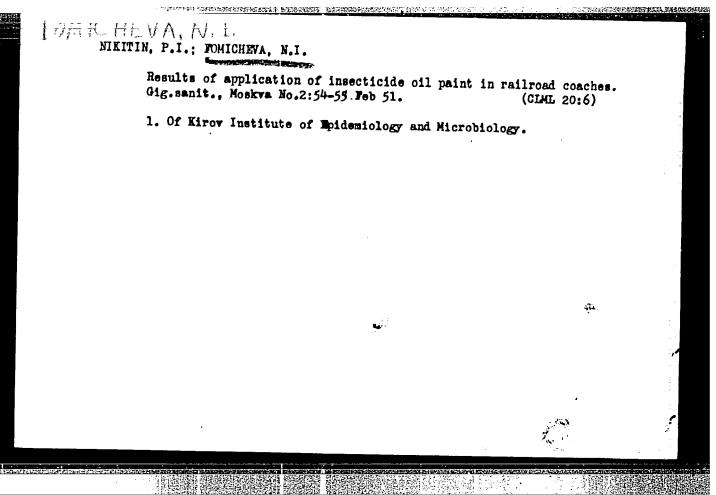
N. Sladkova

[Abstracter's note: Complete translation]

Card 2/2







FOMICHEVA, N. I; HEL'HIKOVA, P. A.

Rapid determination of small quantities of dimethylaniline in air. Gig. sanit. Moskva no. 5:49-52 May 1952. (CLML 22:3)

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1. Of the All-Union Scientific-Research Institute for the Protection of Labor, VTsSPS.

FOMICHEVA, N.I.

Determination of small quantities of MDT on surfaces painted with oil paints and lacquers. Gig. sanit., Moskva no.12:51-52 Dec 1952.

(CIML 23:4)

1. Of the Central Scientific-Research Laboratory of Hygiene and Epidemiology of the Ministry of Hogs of Communication USSR, R.R. TRANSCRI

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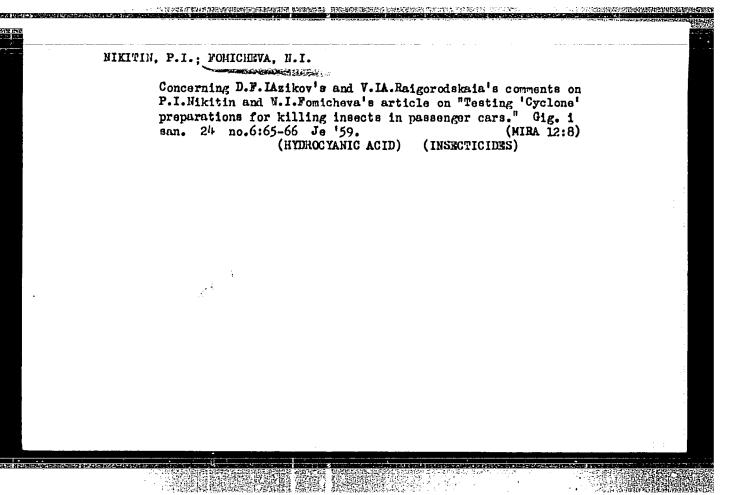
FOMICHEVA, N.I. kand.biol.nauk

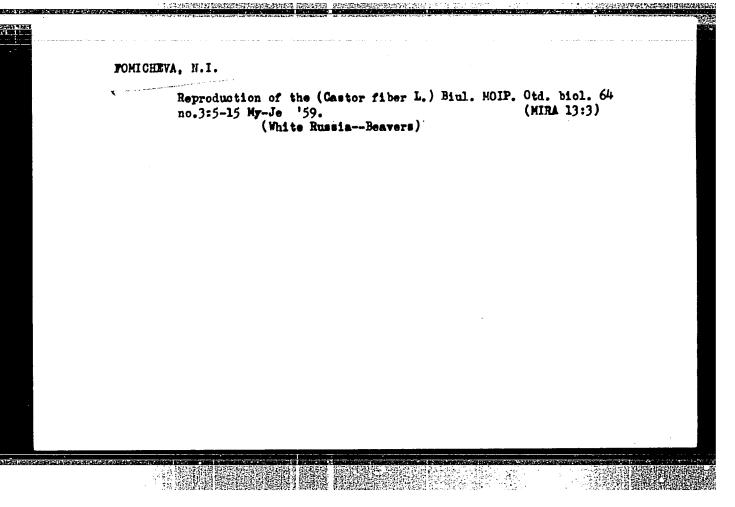
Determination of active chlorine on surfaces treated with chloramine solutions for disinfection. Gig. i san. 23 no.9178-81 S '58 (MIRA 11:11)

1. Iz TSentral'nov nauchno-issledovatel'skoy laboratorii gigiyeny i epidemiologii Ministerstva putey soobshcheniya SSSR. (CHIORAMINE.

determ. of active chlorine on surfaces treated with chloramine disinfect. (Rus))

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"





RUKOVSKIY, N.N., FOMICHEVA, N.I.

Relationship between the beaver and the otter. Biul. MOIP. Otd., biol., (MIRA 13:12)
(SOZH VALLEY—BEAVERS)

(SOZH VALLEY—BEAVERS)

(SOZH VALLEY—OTTERS)

NIKITIN, P.I.; LUNEVA, K.K.; FOMICHEVA, N.I. Disinfection of surfaces with small doses of disinfectants applied by means of pneumatic atomizers. Zhur.mikrobiol., epid. i immun. 33 no.8:30-34 Ag '62. (MIRA 15:10) 1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnoy gigiyeny Ministerstva putey soobshcheniya. (DISINFECTION AND DISINFECTANTS) (AEROSOIS)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"

PILIPCHUK, N.S., dotsent; FOMICHEVA, N.I.

Change in external respiration following lung resection in tuberculosis. Vrach delo no.2173-78 F*64 (MIRA 17:4)

1. Kafedra tuberkuleza Kiyevskogo meditsinskogo instituta.

•)

PMAIFCHUK, N.S., doktor med. nuak; FOMICHEVA, N.I.

Rols of pneumoperitoneum in resection of the lungs in tuberculosis. Prob. tub. no.1:21-26 '65. (MIRA 18:12)

1. Kafedra tuberkuleza (zav. N.S. Pilipchuk) Kiyevskogo meditsinskogo instituta.

ACC NR: AP7003876

(N)

SOURCE CODE: UR/0133/67/000/001/0039/0041

AUTHOR: Fomicheva, N. P.; Klyuyev, M. M.; Topilin, V. V.; Tuchkevich, N. M.; Doronin, V. M.; Dzugutov, M. Ya.; Terekhov, K. I.; Mikhin, T. A.

ORG: none

TITLE: Electroslag remelting of EI481 chromium-manganese-nickel heat resistant steel

SOURCE: Stal', no. 1, 1967, 39-41

TOPIC TAGS: Achromium manganese nickel steel, heat resistant steel, steel melting, electroslag melting, steel composition, steel mechanical property/EI481 steel

ABSTRACT:

Cast EI481 high-alloy heat-resistant steel (0.34—0.40% C, 7.5—9.5% Mn, 11.5—13.5% E, 7.0—9.0% Ni, 1.1—1.4% Mo, 0.25—0.45% Nb, 1.3—1.6% V, 0.3—0.8% Si) was electroslag remelted under four different slags and tested for chemical composition, nonmetallic inclusions and mechanical properties. The best results were obtained with the use of standard or with 10% lime No. 4 slag of the CaF2-CaO system. In all cases, electroslag remelting changed only slightly the steel composition. It decreased the content of manganese by 0.04—0.20 abs.% and of vanadium by 0.08 abs.%; the sulfur content decreased by 20—40%, but no substantial decrease was observed in the hydrogen and oxygen contents. The electroslag remelting also decreased

Card 1/2

UDC: 669.187.26

ACC NR: AP7003870

the content of nonmetallic inclusions from 98.7 to 52.3·10⁻⁴% and resulted in more uniform distribution. No significant changes were observed in the mechanical properties of the electroslag remelted metal (all were above the technical requirements) but the anisotropy of the ductility characteristics decreased by 20—40%. In stress-rupture tests at 650C under a stress of 38 kg/mm², the steel remelted under No. 4 slag failed after 156 hr compared with 35 hr required for conventionally melted steel. Forged parts from electroslag remelted steel had a tensile strength of 112.0—104.0 kg/mm², a yield strength of 74.0—83.7 kg/mm², an elongation of 19.2—24.0%, a reduction of area of 31.2—43.9% and an impact toughness of 4.5—5.5 kg·m/cm². The corresponding figures for forgings of conventionally melted E1481 steel were 60 and 85 kg/mm², 15 and 20%, and 2.5 kg·m/cm². The electroslag remelting of E1481 steel can be recommended for increasing the service life of parts made from this steel. Orig. art. has: 2 tables.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002/ ATD PRESS: 5115

Card 2/2

FOMICHEVA, N. V.

"Ivestigation of the Process of Strengthening Aluminum Alloys by the Method of Shot Peening." Sub 11 Jun 51, Moscow Order of Lenin Aviation Inst imeni Sergo Ordzhonikidze

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

3/190/62/004/004/010/019

Tsvetkov, V. N., Klenin, S. I., Frenkel', S. Ya., Fomicheva,

O. V., Zhuze, A. G.

AUTHORS:

Hydrodynamic properties of poly-\$\hat{\beta}-vinyl naphthalene macro-TITLE:

molecules in benzene

Vysokomolekulyarnyye soyedineniya, v. 4, no. 4, 1962, 540-545 PERIODICAL:

TEXT: Diffusion constants, sedimentation coefficients and intrinsic viscosity of 10 fractions of poly-G-vinyl naphthalene (P-B-VN) in benzene were studied. The Mark - Kuhn - Houwink relations in this solvent were found to have the form $D = 3.5 \cdot 10^{-4} \cdot M_{S,D}^{-0.57}$ for the diffusion coefficient, $[\eta] = 6.6 \cdot 10^{-5} \cdot M_{S.D}^{0.71}$ for the intrinsic viscosity. The molecular weight $^{
m M}$ S,D was determined from Svedberg's equation. The hydrodynamic behavior of P-p-VN, which is determined by viscosity and diffusion, is completely normal and confirms the universal character of the empirical constant It's mean value was (3.1 ± 0.1)·10-10 erg/degree. $A = \eta_0 D(M[\eta])^{1/3}T^{-1}$. Card 1/3

S/190/62/004/004/010/019 B117/B138

Hydrodynamic properties of ...

corresponded to the value of this constant determined for other polymers and again confirmed the usual correlation of hydrodynamic properties of P-p-VN during translation and rotation. The estimate of the relation between dimensions of P-B-VN molecules in benzene and their dimensions during free rotation $(\overline{h}^2)_0^{1/2}(\overline{h}^2)_1^{1/2}$, which characterizes the hardness of the molecular structure, made by means of the previously determined swelling parameter (Ref. 9: V. Ye. Eskin, K. Z. Korotkina, Vysokomolek. soyed., 2, 272, 1960) = $([n]/[n]_0)$ = 1.2, produced a mean value of 2.6. are undisturbed dimensions of the macromolecule). This amount, which slightly; exceeds the corresponding values for most of the linear polymers, showed (e. g. in comparison with polystyrene) that the substitution of the benzene ring by naphthalene increases the thermodynamic hardness of the macromolecule. It was found that the dependence of the diffusion coefficient D on the concentration of one of the P-3-VN fractions with M = $3.5 \cdot 10^6$ is . only slight in CCL and more marked in benzene. This confirms that the dependence on the concentration is mainly determined by the thermodynamic interaction between polymer and solvent. (Ref. 13: V. N. Tsvetkov, S. I. Card 2/3

s/190/62/004/004/010/019 B117/B138

Hydrodynamic properties of ...

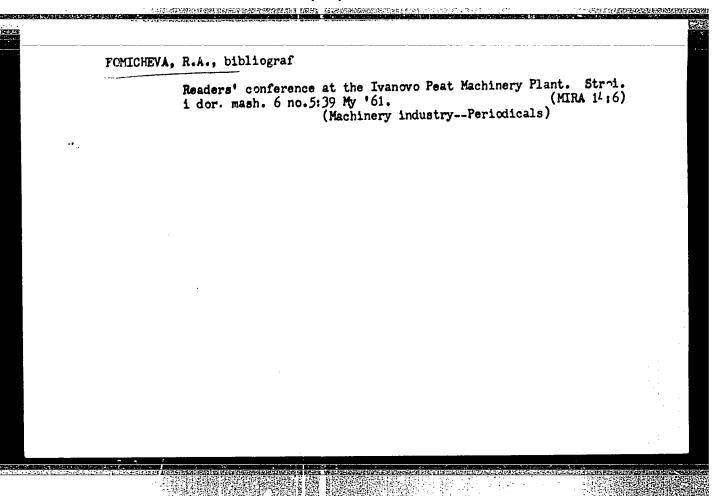
Klenin, Zh. tekhn. fiziki, 29, 1393, 1959). The quantity $A = \eta_0 D(M[\eta])$ calculated for the fraction investigation in CCl4, amounted to 3.50.10 erg/degree, and was thus close to the mean value of the constant A. are 4 figures and 2 tables. Two English-language references are: P. Debye, A. Bueche, J. Chem. Phys., 16, 573, 1948; P. J. Flory, Principles of Polym. Chem., New York, 1953.

Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute ASSOCIATION:

of High-molecular Compounds AS USSR)

March 10, 1961 SUBMITTED:

Card 3/3



Interrelation between the orientating reflex and analysor interaction. Vest. Mosk. un. Ser. 6: Biol,, pochv. 16 no.1:3-10 Ja-F '61. (MIRA 14:4)

1. Kafedra fiziologii vysshey nervnoy deyateldhosti, elektrofiziologicheskaya laboratoriya TSentral'nogo nauchno-issledovatel'skogo instituta sudebnoy psikhiatrii imeni V.P.Serbskogo. (SENSES AND SENSATION)

ZHDANOV, D.A. (Moskva, A-47, 5-ya Tverskaya-Yamskaya, ul.5, kv.12); FOMICHEVA, T.D.

Andreas Vesalius and his painted portrait at the Hermitage Museum. Arkh. anat., gist. i embr. 46 no.2:94-108 F *64. (MIRA 17:12)

1. Kafedra anatomii (zav. - chlen-korrespondent AMN SSSR prof. D.A. Zhdanov) l-go Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova i otdel zapadno-yevropeyskogo iskusstva Gosudarstvennogo Ermitazha v Leningrad. Adres Fomichevoy: Leningrad, Gosudarstvennyy Ermitazh, Otdel zapadnoyevropeyskogo iskusstva.

Betermination of the microquantities of scribe loss Netod. anal.

khim. reak. 1 prepar. no.5/6:110-116 %. (MRA 17:9)

1. Vsesoyuznyy nauchno-issielovateliskiy institut khimteneskikh reaktivov osobo chistykh khimteheskika vevkasestv.

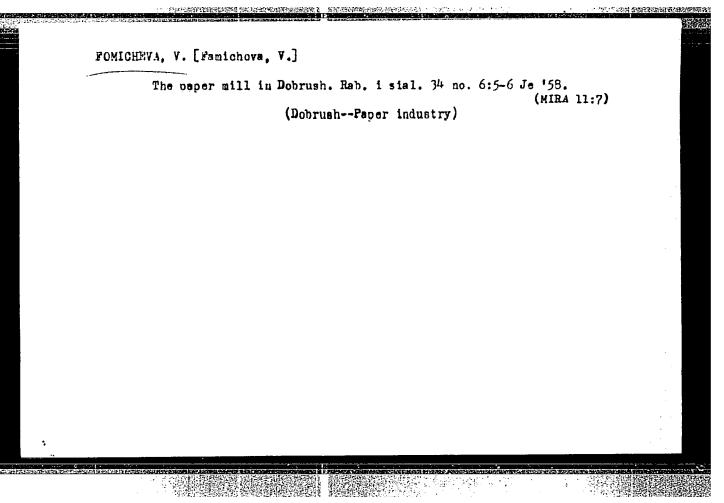
FOMICHEVA, T.V.

Development of generalization and abstraction in the process of mastering the concepts of "subject" and "predicate." Vop.psikhol. 6 no.3:69-78 Mf-Je '60. (MIRA 14:5)

1. Kafedra pedagogiki i psikhologii Baryatskogo pedagogicheskogo instituta.

(Children-Language)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"



ACC NR. AP6014724 (N) SOURCE CODE: UR/0186/65/007/006/0728/0729	•
AUTHOR: Vorob'yev, A. M.; Fomicheva, V. I.	* k
ORG: none	
TITLE: Analytical determination of americium, plutonium, and uranium using AMP anion exchange reain	,
SOURCE: Radiokhimiya, v. 7, no. 6, 1965, 728-729	
TOPIC TAGS: americium, plutonium, uranium, quantitative analysis, ion exchange resin	
ABSTRACT: The method described for the separation of americium, plutonium, and uranium using AMP ion exchange resin is based on the difference in the degree of sorption of ions of uranium (VI), plutonium (IV) and (III), and americium (III) from hydrochloric acid of different concentrations. The column used was a glass tube 6 cm long and 5 mm in diameter, with a drawn out end. In the determinations, a small amount of sulfuric acid does not interfere with the separation, but nitric acid must be eliminated, since it can promote the reduction of plutonium to the trivalent state. To this end, the solution being analyzed was evaporated to dryness, 10 ml of concentrated HCl was added to the	
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VASHKOV, V.I.; SHNAYDER, Ye.V.; BRIKMAN, L.I.; ZAKOLODKINA, V.I.; CHUBKOVA, A.I.; ALIMBARASHVILI, TS.N.; BABAYANTS, G.A.; BERIANIDZE, I.Sh.; ZAKHAROV, P.V.; ISAAKYAN, A.G.; LEVIYEV, P.Ya.; MARTINSON, M.E.; MRACHKOVSKIY, S.K.; NAYDICH, N.L.; NESTERVODSKAYA, Ye.M.; RAZMANOVA, Ye.M.; SAVINA, K.V.; SERJEYEVA, A.Ye.; SOKOLOVA, M.Ye.; FOMICHEVA, V.S.; CHERNYSHOVA, V.A.; SHUMILOVA, T.V.

Sensitivity to DDT of houseflies in various climatic zones of the USSR. Zhur.mikrobiol., epid.i immun. 33 no.8:20-24 Ag '62.

(MIRA 15:10)

1. Iz TSentral'nogo nauchno-issledovatel'skogo dezinfektsionnogo instituta.

(FLIES-EXTERMINATION) (DDT)

VASHKOV, V.I.; SHNAYDEK, Ye.V.; ZAKOLODKINA, V.I.; ERIKMAN, L.I.; CHUEKOVA, A.I.
ALIMBARASHVILI, TS.N.; BABAYANTS, G.A.; BERIANIDZE, I. Sh.;
ZAKHAROV, P.V.; ISAAKYAN, A.G.; LEVIYEV, P. Ya.; MARTINSON, M.E.;
MRACHKOVSKIE, S.K.; NAYDICH, N.L.; NESTERVODSKAYA, Ye.M.;
RAZMANOVA, Ye.M.; SAVINA, K.V.; SERGEYEVA, A.V.; SOKOLOVA, M.Ye.;
FONICHEVA, V.S.; CHERNYSHEVA, V.A.; SHUMILOVA, T.V.

Sensitivity of houseflies to chlorophos prior to its use.
Zh. mikrobiol. 40 no.783-7 Jl 63 (MIRA 17:1)

FOMICHEVA, V. M.:

FOMICHEVA, V. M.: "Pathological anatomy and some problems of the pathogenesis of fat embolism". Ivanovo, 1955. Ivanovo State Medical Inst. (Dissertation for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis' No. 51, 10 December 1955

SOV/138-59-4-2/26

AUTHORS: Kartsev, V.N. and Fomicheva, V.N.

Properties of Siloxane Rubber Vulcanisates Containing Vinyl Groups (SKTV). (Svoystva sulkanizatov siloksanovykh kauchukov, soderzhabhchikh vinil'nyje gruppy (SKTV))

PERIODICAL: Kauchuk i Rezina, 1959, Nr 4, pp 3-7 (USSR)

ABSTRACT: Dimethyl siloxane rubber and its vulcanisates are widely used in industry since they possess high thermal stability. In the Soviet Union siloxane rubbers containing vinyl groups were first manufactured in 1956. The present paper describes experiments on the vulcanisation capacity of rubbers containing 1 and 3 mol. % vinyl-ethyl siloxane chains in the dimethyl siloxane polymer chain (SKTV-1 and SKTV-3). Thier properties are given in Table 1. This type of rubber can be vulcanised with sulphur in the presence of diphenyl guanidine (DFG), pentaldehyde diamine, cyclohexylethylamine salts of cyclohexyldithiocarbamic acid (Vulkatsit 774), dimethyl diphenyl thiuram disulphide (Vulkatsit 1), triethylene tetramine (TETA), and some aldehyde diamines and also with tetramethyl thiuram disulphide (Tiuram). Vulcanisation proceeded at 160°C in the presence of all the above-mentioned accelerators,

SOV/138-59-4-2/25

Properties of Siloxane Rubber Vulcanisates Containing Vinyl Groups (SKTV)

except TETA. Using TETA as an accelerator vulcanisation could be carried out in thirty minutes at 140°C (Table 2). Mixtures of SKTV-3 could be vulcanised at a faster rate than SKTV-1 mixtures. Changes in the physico-mechanical properties of vulcanisates, depending on the period of vulcanisation when using thiuram and sulphur, are shown in Figure 1. Tests on the thermal stability of SKTV-3 and SKTV-1 at 175°, 200°, and 250°C showed that the thermal stability of SKTV-1, SKTV-3 and SKT rubbers was unsatisfactory (Figures 2 and 3). The SKTV-1 rubbers maintained their elasticity at 175°C for 50 days, at 200°C for 30 to 40 days and at 250°C for 4 days. Thick-walled 28 x 32 mm cylinders made from standard mixtures SKT and SKTV-1, and containing powdered silica gel, were also tested. In this case benzoyl peroxide was used as a vulcanisation accelerator. Vulcanisation was carried out for 15 minutes at 150°C. The vulcanised cylinders were subjected to further heat treatment (in a thermostat) for 6 hours at 200°C. The SKT vulcanisates had macro-pores, the SKTV-1 vulcanisate had a micro-porous structure (Figure 4). The vinyl groups in the siloxane polymer facilitate the vulcanisation of thick-walled rubber articles. It was also found that with an

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Properties of Siloxane "ubber Vulcanisates Containing Vinyl Groups (SKTV)

> increasing number of vinyl groups in the chain the frost resistance of the polymer increases (Table 3). The swelling resistance of siloxane rubber vulcanisates, due to various vulcanisation agents, is given in Table 4. The amount of residual deformation can be decreased by modifying the vulcanisation group and by increasing the time of processing in the thermostat (Table 5). Vinyl-containing siloxane SKTV rubbers are good insulating agents. The dielectric characteristics of vulcanisates SKTV-1 up to the time of swelling, and after swelling for 14 days in water, are given in Table 6. It is also possible to prepare vulcanisates from SKTV-1 by using channel black in the presence of sulphur and TETA. The strength of such vulcanisates, after vulcanisation for 60 minutes at 150°C, equalled 53kg/cm, and the relative elongation equalled 827%. Their thermal stability was unsatisfactory. The elastic properties of vulcanisates were considerably poorer when the period of ageing at 175°C and 150°C was reduced by 50%. There are 4 figures, 6 tables and 11 references, 9 of which are English and 2 Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka im. S. V. lebedeva (The S. V. lebedev All-Union Card 3/3 Scientific-research Institute for Synthetic Rubber)

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APPROVED FOR RELEASE: 08/23/2000

FOMICHEVA, V.M.

Pathomorphological changes in the gastric nervous system due to polypous and cancerous lesions. Sbor. nauch. trud. Ivan. gos. med. inst. no.25:92-95 '62. (MIRA 17:5)

1. Iz kafedry gistologii i embriologii (zav. - prof. Ye.A. Kirillov) Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor - dotsent Ya.M. Romanov).

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"

FOMICHEVA, Ye. V.

"Fracture of the External Nose." Cand Med Sci, Central Inst for the Advanced Training of Physicians, Lin Health USSa, Moscow, 1955. (KL, No. 17, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

TOMICKEOR NO.

DMITRIYEVA, V.S., kend.med.neuk; FOMICHEVA, Ye.U., kend.med.neuk

Work of the Mexillofacial Department of the Gentral Institute of
Traumatology and Orthopedia of the Ministry of Public Health of
the U.S.S.R. in 1954-1955. Stomatologita 36 no.1:77-78 Ja-7 '57.

(FACE--SURGERY)

(MIRA 10:1)

Plastic surgery of the soft palate involving a pedicle flap from the posterior pharyngeal wall. Stomatologiia 37 no.4:39-43 JL-Ag (MIRA 11:9) 1. Iz chelyustno-lisevogo otdeleniya (zav. - prof. F.M. Khitrov) TSentral'nogo instituta travmatologii i ortopedii (dir. prof. N.N. Prirov). (PALATE, CLEFT)

FOMICHEVA, Ye.U. kand.med.nauk

Changes in the masal cavity and pharynx in congenital cleft palate and their influence on the results of surgical treatment of the defect. Stomatologiia 38 no.5:26-28 S-0 '59. (MIRA 13:3)

1. Is kafedry chelyustno-litsevoy khirurgii i stomatologii (zaveduyushchiy - prof. N.M. Kikhel'ekon) TSentral'nogo instituta usovershenstvovaniya vrachey (direktor M.D. Kovrigina). (NASOPHARYNX) (PALATE, CLEFT)

FOMICHEVA, Ye.U., kand.med.nauk

Operative treatment of fractures of the mandible. Khirurgiia no.9:69-72 '61. (MIRA 15:5)

1. Iz chelyustno-litsevogo otdeleniya (zav. - prof. F.M. Khitrov)
TSentral'nogo instituta travmatologii i ortopedii (dir. - deystvitel'nyy chlen AMN SSSR prof. N.N. Priorov [deceased]) Ministerstva
zdravookhraneniya SSSR.

(JAWS--FRACTURE)

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Filest's surgery on the version's partial of the resphagas using Filestov's graft. Kalvergila 40 no.0:27-29 S 164

(HIRA 18:1)

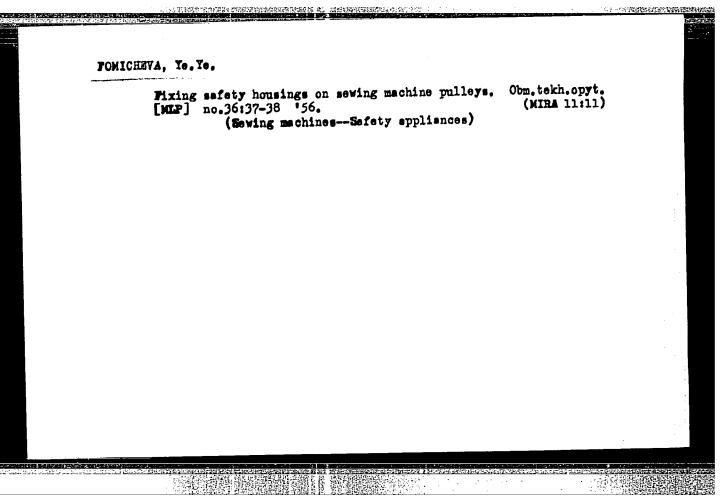
1. Chelrustno-lits-voye obseteniye (sav. prof. T.M. Knitrev) liestrelinogo instituta travastologii i entopolii (iir. celus-korrespondent ASS 6558 prof. E.V. Telkev), lieskva.

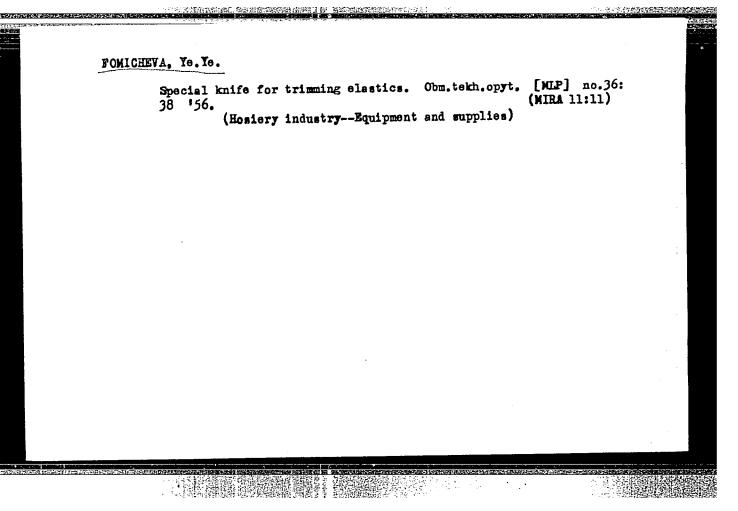
FOMICHEVA, Ye.U., kand. med. nauk Results of surgical treatment of cicatricial stenosis of the

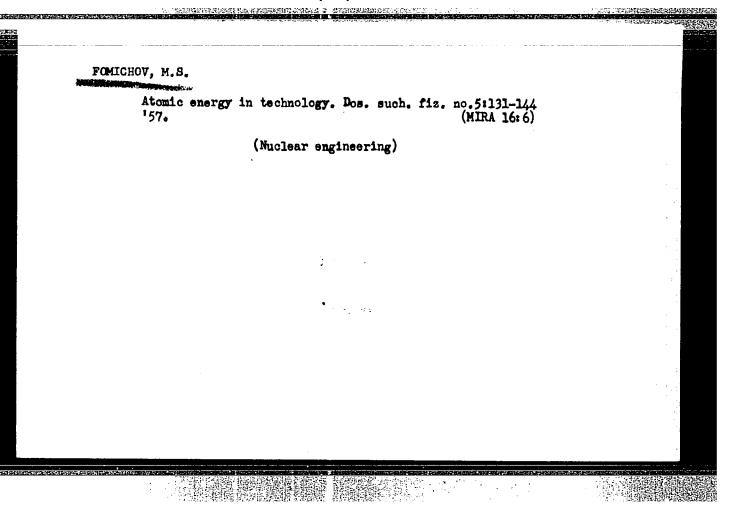
pharynx following burns by F.M. Khitrov's method. Vest. khir. (MIRA 18:6) 83 no.11:22-28 N 164.

1. Iz chelyustno-litsevogo otdeleniya (zev. - prof. F.M. Khitrov) TSentral'nogo instituta travmatologii i ortopedii.

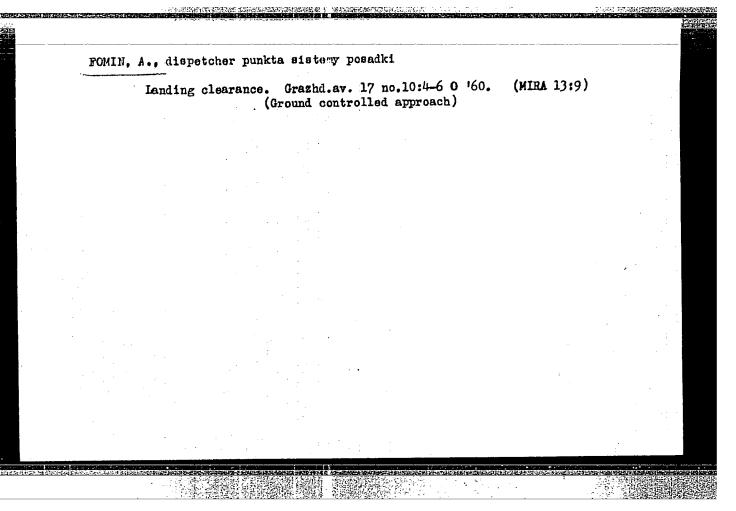
CIA-RDP86-00513R000413430001-5" APPROVED FOR RELEASE: 08/23/2000

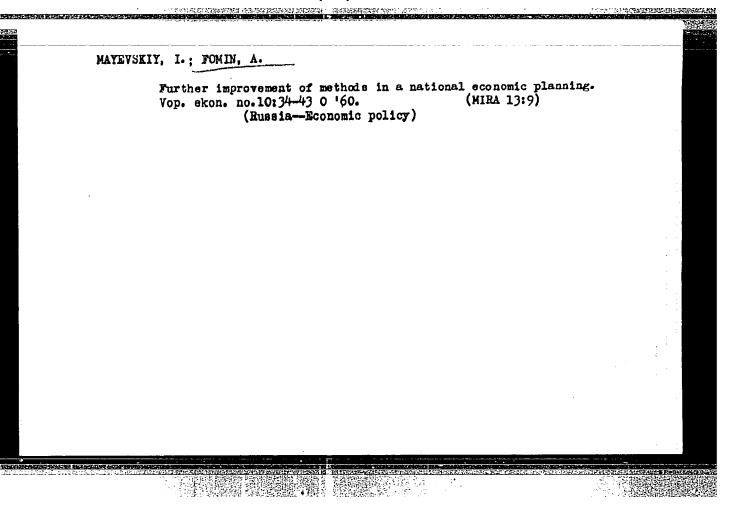






Structural designs for technical piping at industrial enterprises with standardization between branches of industry. Prom. stroi. i inzh. soor. 4 no.1:32-37 Ja-F '63. (MIRA 16:3) (Pipelines—Buildings and structures)(Precast concrete construction)





ANDEREG, Georgiy Ferdinandovich; RARBANEL', Solomon Rafailovich; FOMIN, A., rad.; PEREGULOVA, M., tekhn. red.

[Motion-picture theater equipment] Oborudovanie kinoteatrov. Moskva, Iskusstvo, 1962. 483 p. (MIRA 16:4) (Motion-picture theaters--Equipment and supplies)

Several problems of improving national economic planning. Vop. ekon. no.12:38-45 D 62. (MIRA 16:1)

(Russia-Economic policy)

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PANFILOV, Nikolay Dement'yevich; FOMIN, A., -red.; GORINA, V., tekhn. red.

[Sound in motion pictures] Zvuk v fil'me. Moskva, Iskusstvo, 1963. 117 p. (MIRA 16:9)

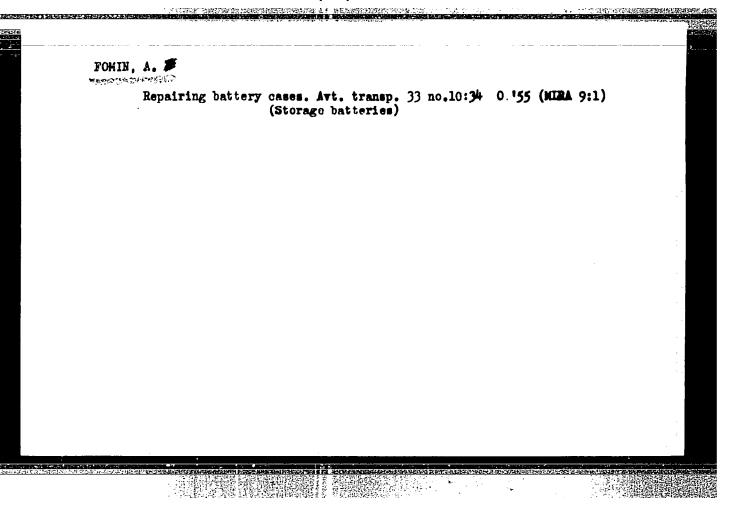
(Sound--Recording and reproducing)
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FCMIH, A.		
Dairying		
Doubling the j	yeidl of milk from cows Kolkh. proizv. 12 No. 2, 1952	
		-
9. Monthly List	of Russian Accessions, Library of Congress, June 1953? Uncl.	
เราะสาของเกราะสาของเกราะสาของการ		

FOMIN, A., rukovoditel' poletov.

Honor of workers of the traffic control service, Grazhd.av, 14
no.2:14-16 F '57. (MLRA 10:5)

(Airports--Traffic control)

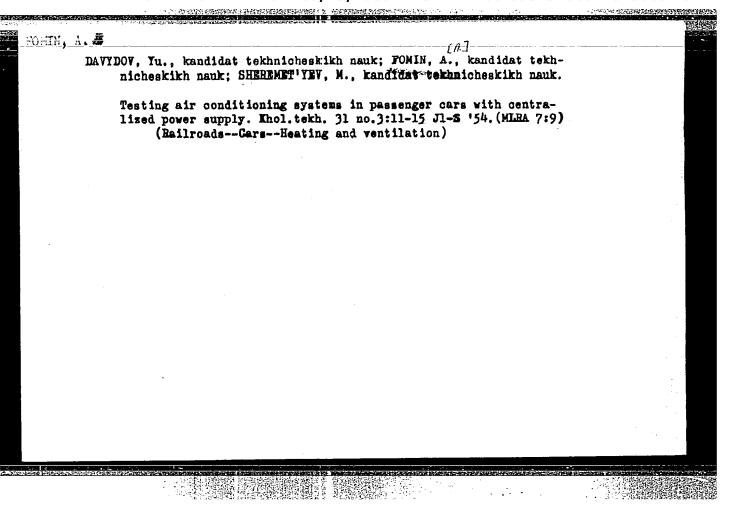


FOMIN, A.; KLEYMENOV, I.

Refrigerator Cars

Kleymenov's all-metal constant temperature railroad car. Khol. tekh. 29 No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED



SOV/66-59-3-5/31

AUTHORS:

N.Il'ina, and Fomin, A. Engineers.

TITLE:

Refrigerating Machines Operating on Freon-22

PERIODICAL:

Kholodil'naya tekhnika, 1959, Nr 3, pp 21-25, (USSR)

ABSTRACT:

Investigations conducted by the Central Designing Bureau of Refrigeration Machine Building and information from foreign manufacturing sources have shown that refrigerating machines operating on Freon-22 at a boiling point of -70° to -80° C should be of the two-step type. Odesskiy zaved imeni Stalina (Odessa Plant imeni Stalin) has started serial production of the first two-step refrigerating machine, the FDS-1, operating on Freon-22. In 1958 Moskovskiy zaved "Kompressor" (Moscow Plant "Compressor") produced the machine FDS-5. Both machines are intended for testing purposes with a temperature in the cold chamber of -60° to -70°C, operating at a boiling temperature of -50° to -80°C. The FDS-1 consists of 2 compressors driven by one electric motor, and of 2 heat exchangers, one gas and one liquid, and is equipped with an automatic control system. The capacity of the FDS-1 is 1,000 kcal-hr and that of the FDS-5 is 5,000 kcal-hr. The FDS-5 consists of 2 compressors with separate driving engines, a condenser with heat exchanger, a control device and an evaporator. Each compressor is equipped with an oil cooler. The article gives a complete list of

Card 1/2

Refrigerating Machines Operating on Freon-22

SOV/66-59-3-5/31

technical data pertaining to both types of compressors. In his conclusion the author concedes the high merits of the freon compressors, which however do not rule out the use of ammonia compressors, which in a capacity of 30,000 to 50,000 kcal/hr and at a boiling point of -50°C maintain their place in industrial installations, where toxicity does not enter into consideration: otherwise, as for instance in air conditioning installations the use of Freon-22 machines is appropriate. The same applies to laboratory and experimental installations requiring a refrigeration temperature of -70°C.

There are 1 photo, 4 graphs, 1 table and 1 diagram.

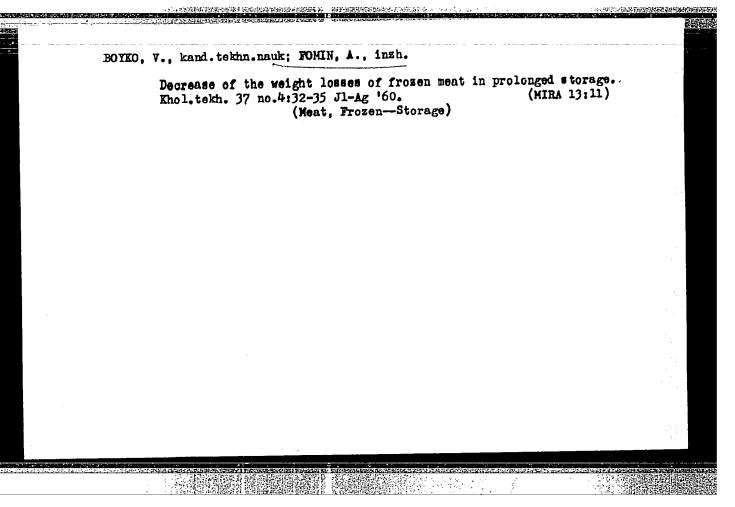
ASSOCIATION:

TsKB kholodil'nogo mashinostroyeniya (Central Designing Bureau of Refrigeration Machine Building) (N. Il'ina); Proyektnyy institut (Designing Institute) (A. Fomin.).

Card 2/2

BOYKO, V., kand.tekhn.nauk; FCHIN, A., inzh.

Changes in the quality of frozen ment during prolonged storage.
Khol.tekh. 37 no.1:37-38 Ja-F '60. (MIRA 13:5)
(Meat, Frozen-Storage)



Bol'SHAKOV, A.; FOMIN, A.

Investigating the moisture binding capacity of pork in brine curing. Miss. ind. SSSR 33 no.4:56-59 '62. (MIRA 17:2)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"

NALETOV, N., prof.; BOL'SHAKOV, A., dotsent; SIMAKOV, V.; FOMIN, A.

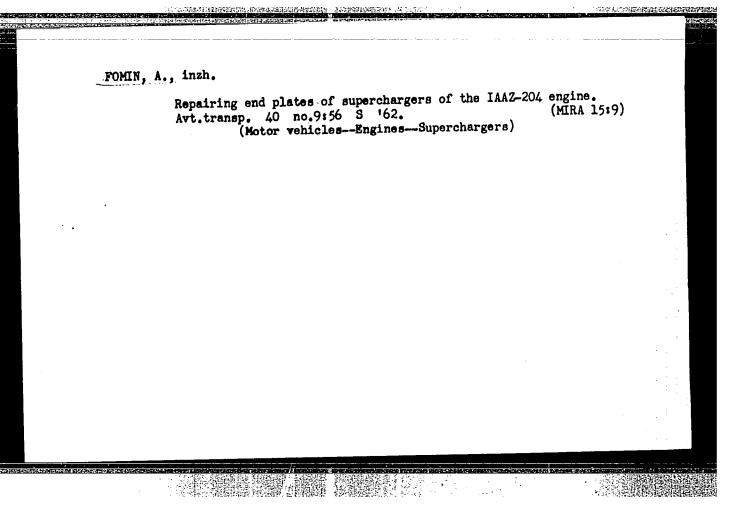
Histological changes in meat occurring during the various autolysis stages in corning. Miss.ind. SSSR 33 [i.e.34] no.2:19-21 163.

(MIRA 16:4)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

(Meat, Salt—Testing)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"



SOV/122-59-2-27/34

AUTHOR:

Fomin, A.A., Candidate of Technical Sciences, Docent

TITLE:

A Nomogram for the Profitability of Special Machine Tool Fixtures (Nomogramma dlya ekonomicheskogo obosnovaniya primeneniya spetsial'nykh stanochnykh prisposobleniy)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 2, pp 74-75 (USSR)

ABSTRACT:

On the basis of derivations by F.G.Petrov (Vestnik Mashinostroyeniya, 1958, Nr 2) Eq (1), (2) and (3) give the minimum number of components per annum to make a given tooling cost profitable, the maximum allowable cost of tooling and the annual cost factor for a given fixture, respectively. A nomogram is reproduced to simplify computations based on these formulae. Numerical examples are given. There are 3 Soviet references.

Card 1/1

SIMONOV, Aleksandr Grigor'yevich; IOFIS, Ye.A., kend.tekhn.nauk, red.;

FOMIN, A.A., red.; MALEK, Z.N., tekhn.red.

[Photography with artificial light] Fotografirovanie pri
iakusstvennom osveshchenii. Isd.2., ispr. i dop. Pod red.

B.A.Iofiss. Moskva, Gos.isd-vo "Iskusstvo," 1959. 126 p.

(Biblioteka fotollubitelia, no.8).

(Photography--Artificial light)

NOGIN, Pavel Alekseyevich; IOFIS, Ye.A., kand. tekhn. nauk, red.; FOMIN, A.A., red.; SUSHKEVICH, V.I., tekhn. red.

[Photographic lenses] Fotograficheskii obmektiv. Pod red. E.A. Iofisa. Moskva, Gos.izd-vo "Iskusstvo," 1961. 124 p. (Biblioteka fotoliubitelia, no.22) (MIRA 15:2)

VENDROVSKIY, Karl Valerianovich; ZHUTOVSKIY, Boris Iosifovich;
IOFIS, Ye.A., kand. tekhm. nauk, red.; FOMIN, A.A., red.;
SUSHKEVICH, V.I., tekhm. red.

[For the amateur photographer-tourist] Fotoliubiteliu—
turistu. Pod red. E.A.Iofisa. Moskva, Gos. izd-vo "Iskusstvo,"
1961. 99 p. (Biblioteka fotoliubitelia, no.21)

(Photography)

(Photography)

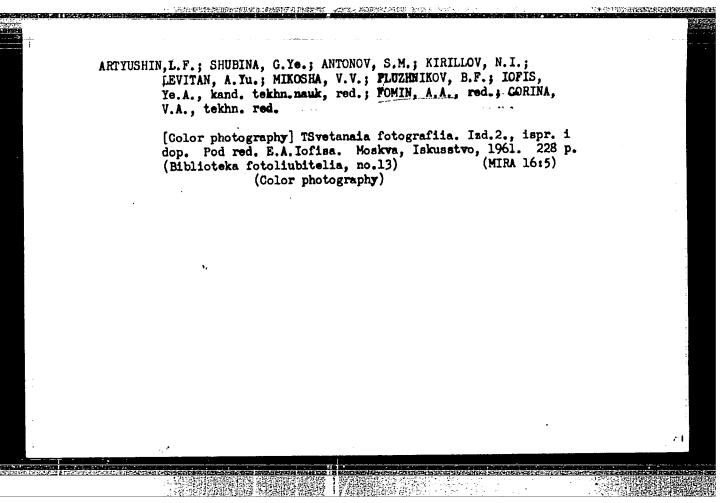
BUNIMOVICH, David Zakharovich; IOFIS, Ye.A., kand. tekhn. nauk, red.;
FOMIN, A.A., red.; MALEK, Z.N., tekhn. red.

[Selecting a camera]Vybor fotoapparata. Pod red. E.A.Iofisa.
Moskva, Izd-vo "Iskusstvo," 1962. 127 p. (Biblioteka fotoliubitelia, no.28)

(Cameras)

(Cameras)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"



LAVRENT'YEV, V.I.; PELL', V.G.; FOMIN, A.A., red.; PANKRATOVA, M.A., tekhn. red.

[High-speed motion-picture photography with the SKS-1 camera]
Skorostnaia kinos*memka kameroi SKS-1. Moskva, Izd-vo

"Iskusstvo,*1963. 221 p.

(Motion-picture photography, High-speed)

(Motion-picture cameras)

FOMIN, A.A.

Problem of dosage in the use of ionizing radiations for sterilization. Med.rad. no.9:74-80 '61. (MIRA 15:1)

1. Iz kafedry radiatsionnoy gigiyeny TSentrál nogo instituta usovershanstvovaniya vrachey.

(RADIATION—DOSME) (RADIATION STERILIZATION)

FOMIN, A.A., aspirant

Change in the chemical indices of dietary fats under the action of ionizing radiations. Gig. i san. 27 no.3:34-39 Mr 162. (MI & 15:4)

1. Iz kafedry radiatsionnoy gigiyeny TSentral*nogo instituta usovershenstvovaniya vrachey, Moskva.

(FAT) (RADIATION—PHYSIOLOGICAL EFFECT)

cz/4-60-3-21/44

AUTHOR:

Fomin, A.A.

TITLE:

The Tasks of the All-Union Institute of Scientific and Technical Information in the Development of Soviet Science and Engineering.

PERIODICAL:

Nová Technika, 1960, No. 3, pp. 131 - 133

ABSTRACT: This is an abridged translation of an article, originally published in a Soviet periodical, entitled in Russian "All-Union Institute of Scientific and Technical Information and Its Tasks". The number of Soviet scientific institutes is about 3,000, the number of scientists about 280,000. The All-Union Institute of Scientific and Technical Information (VINITI) at the State Scientific-Technical Committee of the Council of Ministers of the USSR and the AN USSR was established in 1952. Thirteen series of periodicals containing abstracts are published; 559,000 abstracts, 44,000 of which treated patents, were published in 1958. About 8,000 abstracts describing machines are published monthly; 12,250 foreign periodicals are abstracted. An express information service is engaged in publishing the most current scientific and technical news from abroad; 49 technical and scientific branches are treated. Monographies are also published on special

Card 1/2

cz/4-60-3-21/44

The Tasks of the All-Union Institute of Scientific and Technical Information in the Development of Soviet Science and Engineering.

subjects. An independent translation department is attached to the VINITI. A conteam of about 20,000 experts is employed by the VINITI. Data on future publications, on technical equipment, like selectors, microphotographic reproductions etc, used by this Institute follow. There are 2 Soviet references.

Card 2/2

MICHAJLOW, A.I. [Mikhaylov, A.I.]; FOMIN, A.A.

Education of specialists for scientific and technical information in the Soviet Union. Przegl techn 84 no.45:4 10 N '63.

1. Vsesoyuznyy institut nauchnoy i tekhnicheskey informatsii.

DORENSKIY, Leonid Mikhaylovich; IOFIS, Ye.A., kand.tekhn.nauk,red.; FOMIN, A.A., red.; PEREGUDOVA, M.T., tekhn. red.

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[Dynamism of the photographic image]Dinamichnost' fotokadra.
Pod red. E.A. Iofisa. Moskva, Izd-vo "Iskusstvo," 1962. 143 p.
illus. (Biblioteka fotoliubitelia, no.27) (MIRA 15:9)
(Photography of sports)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"

YAKOVLEV, Mikhail Fedorovich; IOFIS, Ye.A., kand. tekhn. nauk, red.; FOMIN, A.A., red.; MALEK, Z.N., tekhn. red.

[Repair of cameras]Remont fotoapparatov. Pod red. E.A. Iofisa. Moskva, Iskusstvo, 1962. 191 p. (Biblioteka fotoliubitelia, no.29) (MIRA 15:10)

(Cameras-Maintenance and repair)

SAZHIN, Leonid Ivanovich; FOMIN, A.A., red.; REZNIK, A.L., tekhn. red.

[Electric power supply of stationary motion-picture projectors] Elektropitanie statsionarnykh kinoustanovok. Izd.2., perer. i dop. Moskva, "Iskusstvo," 1963. 282 p. (MIRA 17:3)

FOMIN, A.A., kand. tekhn.nauk; ACHERKAN, N.S., doktor tekhn.

nauk, prof., retsenzent; KASPEROVICH, N.S., inzh., red.

[Computation of the weight of parts and materials; atlas of nomograms] Podschet vesa dotalei i materialov; atlas nomogramm. Moskva, Mashinostroenie, 1964. 115 p.

(NJRA 17:10)

FOMIN, A.A.; FEDOROV, N.A.; KASATKIN, Yu.N.

Quantitative determination of fatty acids by distributive paper chromatography. Vop. med. khim. 9 no.1:76-79 Ja-F '63. (MIRA 17:6)

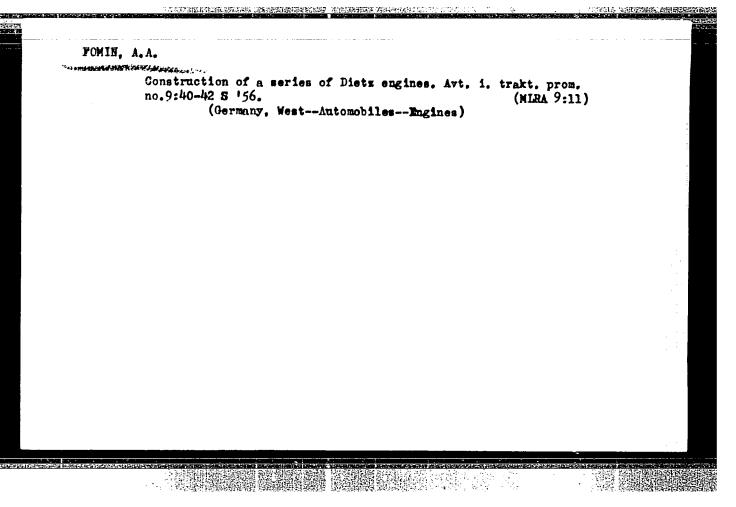
1. Kafedra radiatsionnoy gigiyeny TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

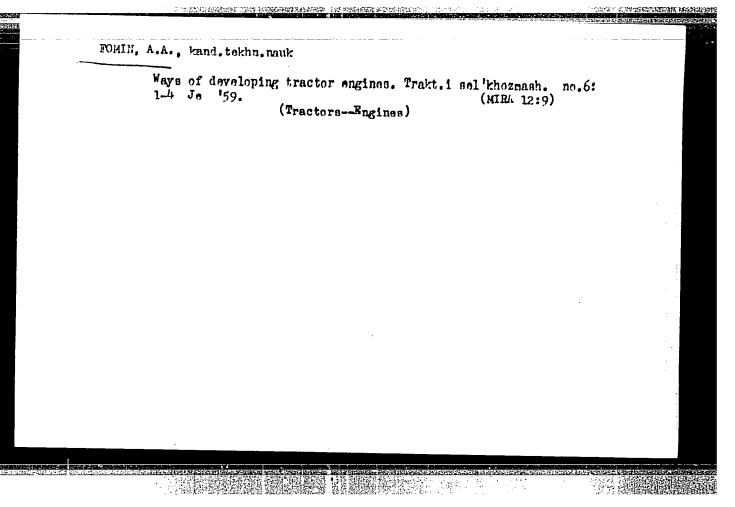
DONSKOY, Aleksandr Vasil yevich, dr. tekhn. nauk, prof.; FOMIN, Anatoliy Andreyevich, inzh.

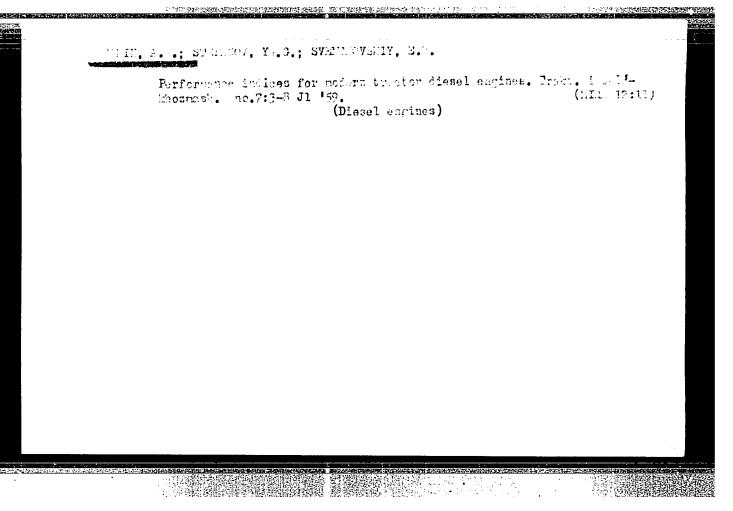
Calculation of parameters and pondermotive forces of a system of turns inductively coupled with a sphere. Izv. vys. ucheb. zav. elektromekh. 7 no.48511-514 *64 (MIRA 17:7)

1. Kafedra elektrooborudovaniya promyshlennosti predprivatiy Leningradskogo politekhnicheskogo instituta (for Donakoy) 2. Leningradskiy institut tokov vysokoy chastoty (for Fomin).

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"







FOMIN, A.A.; STEPANOV, Ye.G.; SVENTKOVSKIY, Z.R.

Modification of SMD diesel engines for tractors. Trakt. 1 sel'khosmash. no.11:6-9 N '59. (MIRA 13:3)

1. Nauchno-issledovatel'skiy avtotraktornyy institut. (Diesel engines)

FOMIN, A.A., kand.tekhn.nauk

Momogram for calculations in the specialization of classification yards. Zhel.dor.transp. 41 no.12:46-47 D 559.

(MIRA 13:4)

(Railroads-Hump yards)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"

SOKOLOV, Ippolit Vasil'yevich; KONOFLEV, B.N., red.; FOMIN, A.A., red.; CHICHERIN, A.M., tekhn.red.

[History of the invention of motion pictures] isobreteniia kinematografa. Fod obshchei red. B.N.Konopleva. Moskva, Gos.izd-vo "Iskusstvo," 1960. 193 p.

(Motion pictures)

(Motion pictures)

KOMAROV, S.G.; KITOV, A.N., inzh.; DOROFEYEV, V.G.; SHEREMET YEV, M.A.; FOMIN, A.A.; KOSAREV, A.A.; SARANTSEV, Yu.S., red.; VERINA, G.P., tekhn.red.

[Handbook for the repair of passenger cars] Spravochnik po remontu passazhirskikh vagonov. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 631 p.

(Railroads--Passenger cars--Maintenance and repair)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"

GORELOVA, Gertruda Isaakovna; RFMIZOV, Viktor Ivanovich; UKHIN, Pavel Nikolayevich; FUMIN, A.A., red.; REZNIK, A.A., tekhn. red.

[Principles of radio engineering and radio-television systems] Osnovy radiotekhniki i kinoradioustanovki. Mo-skva, Izd-vo "Iskusstvo," 1963. 294 p. (MIRA 16:11) (Radio) (Television)

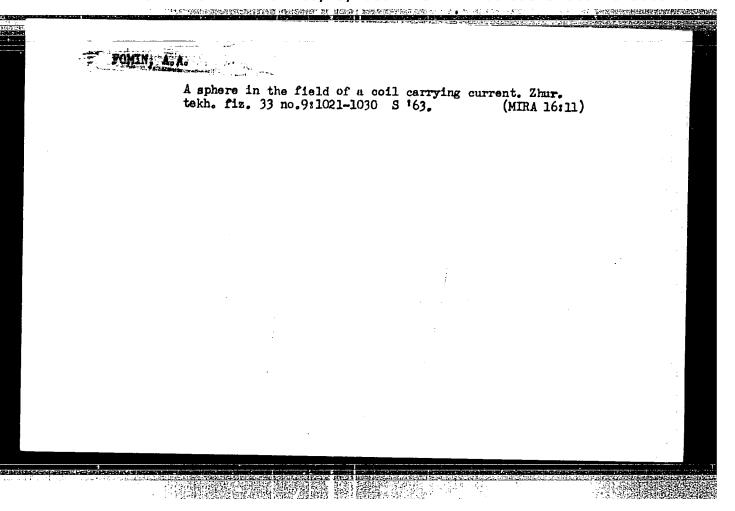
FOMIN, A.A.; VISHNYAKOV, B.S.; PROKHOROV, V.P.; KHAYEV, V.M.;

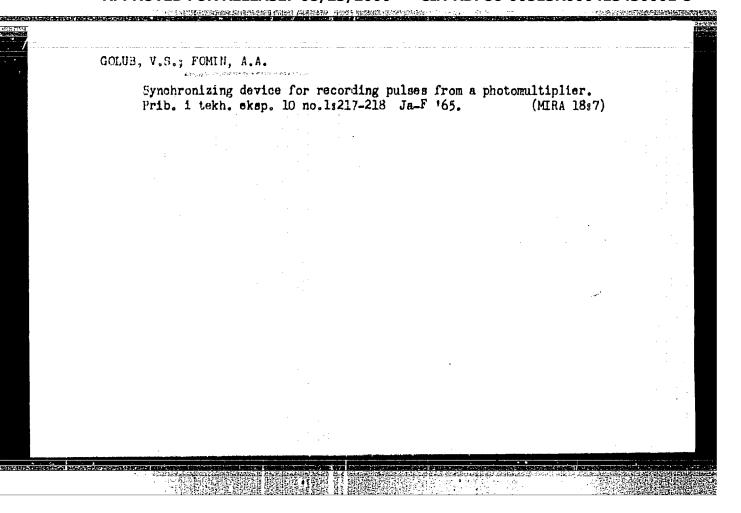
SHVEDSKIY, A.I.; ORLIN, A.S., doktor tekhn. nauk, prof., retsenzent; VASIL'YEVA, N.G., inzh., red.

[Modern tractor diesel engines; atlas of designs] Sovremennye traktornye dizeli; atlas konstruktsii. Moskva, Mashgiz, 1963. 232 p. (MIRA 16:12)

(Tractors—Engines)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"





ACCESSION HR: AP5015618

UR/0057/65/035/006/0983/0989

AUTHOR: Fowin, A.A.

TITLE: A cylinder in the field of current-carrying conductors

Live's Zhurnal tekhnicheskoy fiziki, v.35, no.6, 1985, 983-989

TOTAL TACS: magnetic field, alternating magnetic field, cylindrical

ARSTPACT: The author treats the problem of a cylinder of magnetic

to the field of a finite number of conductors tereliel to

the and the force on the cylings of the marked direction are sampled to be infinitely thin in the marked direction as indicated extension in asimuth. For a common see totalmed

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ACCESSION NR: AP5015618

in the form of finite sums over the conductors of infinite Fourier series. In case the conductors are infinitely thin also in estauth, the infinite series can be summed and the results obtained in closed re is considerable discussion of the considerable mader

perfect of the finite azimuthal extent of the confuctors is pastilei. Urig.art.has: 41 formulas and 2 figures.

ASSOCIATION: none

SUBMITTED: 10Aug64

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r transition of the againg period of the parameter of

SUB CODE: EM

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L 2308-66

ACCESSION NRE AP5020732

UR/0057/65/035/008/1438/1443

AUTHOR: Fomin, A. 1.

31

TITLE: An infinite cylinder in the field of a coaxial system of turns

3

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 8, 1965, 1438-1443

TOPIC TAGS: electric inductance, induction furnace, skin effect, magnetic field

ABSTRACT: The author calculates the field within an infinitely long cylinder of given conductivity and permeability surrounded by a sequence of current-carrying rings centered on its axis. The author was motivated (at least in part) by the applicability of the calculations to induction heating of cylindrical parts. The field of the rings outside the cylinder is calculated with the aid of a tensor Green's function and the corresponding field within the cylinder is obtained in the form of an infinite series, each term of which is the integral of a product of Bessel and exponential functions. The self and mutual impedances of the rings are also expressed in terms of similar series. In deriving these series it was assumed that the rings are infinitely thin in the radial direction but of finite width is the axial direction. To evaluate the integrals occurring in the series

Card 1/2

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L 2308-66

ACCESSION NR: AP5020732

it is now assumed that the rings are narrow also in the axial direction. Other simplifying assumptions are discussed, and for the case of small skin depth and small gap between the current rings and the surface of the cylinder, the calculation of the terms of the series is reduced to the evaluation of tabulated functions. The inductances of several systems were measured and good agreement is shown with the calculated values. (Abstractor's note: No experimental details are given.) Orig. art. has: 42 formulas, 2 figures, and 1 table.

ASSOCIATION: none

SUBMITTED: 12Dec64

ENCL: 00

SUB CODE: EM

NR REF SOV: 002

OTHER: 002

2/2 nd

L 06071-67 EWT(m) DJ

ACC NR: AP6018320 (N) SOURCE CODE: UR/0105/66/000/002/0012/0014

AUTHOR: Fomin, A. A. (Candidate of technical sciences: Leningrad) 22

ORG: none

TITLE: Theory of the electrodynamic bearing

SOURCE: Elektrichestvo, no. 2, 1966, 12-14

TOPIC TAGS: dry bearing, electrodynamic bearing, FLECTEODYNAMICS

ABSTRACT: The possibility of building an electrodynamic bearing is proven, and fundamental formulas describing such a bearing are deduced. A set of wires (bearing) produces a magnetic field describable by: $H(r) = H_0\left(\frac{r}{R_0}\right)^n$. A non-ferro-

magnetic cylinder (shaft) is placed in this field. So long as the bearing and the shaft are aligned, the resulting force is zero. When an offset δ appears, the

Card 1/2

UDC: 538.3:621.822

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L 06071-67

ACC NR: AP6018320

resulting force arises and tends to reduce S. A solution of the differential equations describing the system yields relations among the force acting upon the shaft, the offset S, and the field exponent n. The final formulas show that the shaft should be a good electrical conductor, that the supply frequency should not be too high, and that the skin effect should be pronounced. Orig. art. has: 1 figure and 40 formulas.

SUB CODE: 09 / SUBM DATE: 16Nov64 / ORIG REF: 007

The construction and the desired and desired to the desired

Card 2/2 egk

21754-66

ACC NR: APG004897

SOURCE CODE:

UR/0057/66/035/001/0186/0190

AUTHOR: Fomin, A.A.

ORG: None

TITLE: Polyphase cylindrical inductor with a multipole field

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 1, 1966, 186-190

TOPIC TAGS: magnetic field, alternating magnetic field, magnetic trap, polyphase system, electric inductance, electric conductor

ABSTRACT: The author calculates the magnetic field produced within a circular cylinier by a system of conductors parallel to the axis and equally spaced on the surface of the cylinder carrying equal currents with a constant phase difference between the currents in successive conductors. The calculation is based on an expression for the vector potential previously given by the author (ZhTF, 35, No. 6, 1958) and the result is expressed as a Fourier series in the azimuth. If the space outside the cylinder is filled with a ferromagnetic material with infinite permeability the field strength within the cylinder is doubled. If d is the phase difference between the currents in successive conductors and there are a total of N conductors in all, the number of phases is $\beta = 2\pi/d$, the number of pole paires is $p = N/\beta$, and the field near the axis is proportional to rp, where r is the distance from the axis. This rapid increase of

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field strength with distance from the axis is advantageous for the design of electrodynamic supports, electromagnetic crucibles, and magnetic traps. For fixed N, p is maximum when $\beta=2$, and a two-phase system is recommended for the design of electrodynamic supports. Orig. art. has: 22 formulas, 1 figure, and 1 table.									
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